

Operation Principle

Multi-function GPS Portable Navigation Device-84T

1. Bluetooth
 - a. BC04 Bluetooth module
 - b. Communication interface: UART
 - c. Frequency: 2402-2480MHz
 - d. Power supply:3.3V
 - e. Built-in high-performance 2.4GHz chip antennas.
2. GPS
 - a. 64-channel GPS baseband with hardware match filter
 - b. Operating Frequency : 1575.42MHz
 - c. 12 MHz and 32.768MHz crystal Frequency
 - d. Power supply:3.3V
 - e. Built-in ceramic antenna
3. FM
 - a. Frequency Range : 88.1MHz ~ 107.9MHz
 - b. MCU control IIC to set FM frequency
 - c. 15.2MHz and 32.768MHz crystal Frequency.
 - d. Power supply:3.3V
 - e. FM antenna is Built-in antenna
4. CODEC
 - a. Mic input: High sensitivity Differential input
 - b. Sound Output: 1.3W BTL Speaker and stereo Headphone Output, Sounds To FM_Audio
 - c. Power supply:3.3V and 5V
 - d. MCU control IIC and Support the IIS/PCM Interface for stereo audio
5. AV
 - a. Accepts NTSC,PAL Video Data
 - b. Power supply:3.3V and 1.8V
 - c. 14.318MHz_+/-30ppm crystal
 - d. MCU control IIC and converts NTSC and PAL video signals to 8-bit ITU-R BT.656 format.
 - e. video insert detection